

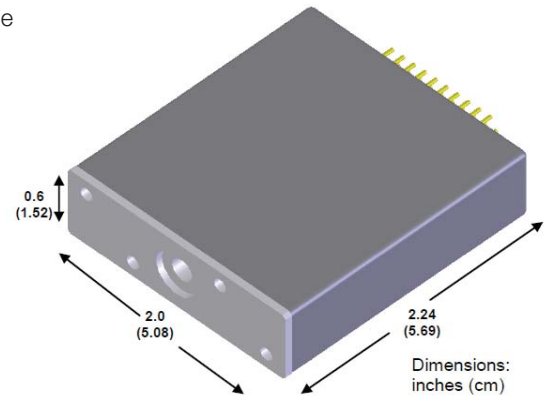


**Honeywell pressure transducers
redefine affordable, high performance
pressure measurement capability**

LG1237 Pressure Transducer

The Honeywell LG1237 is an absolute pressure transducer designed specifically for Full Authority Digital Engine Controls (FADECs), to provide extremely precise and stable pressure measurements over a 25-year or 100,000 hour minimum operational life. Using proven MEMS

silicon sensor pressure technology with microprocessor-based signal conditioning, the LG1237 provides precise and stable serial digital output in engineering units (typically psia).



PERFORMANCE	
Pressure Range:	1 to 1000 psia
Pressure Accuracy:	±0.047% FS Maximum over temperature range
Long Term Stability:	Less than ±0.010% FS/year
Media Compatibility:	Operates satisfactory with most non-conductive gaseous pressure media
Operational Temperature Range:	-55 TO 125°C
Reliability:	Mean Time Between Failure (MTBF) of over 200,000 hours
Response:	20 Hz frequency response with 9ms typical latency
PACKAGING	
Small Form Factor:	2.0 in x 2.24 in x 0.6 in
Weight:	2.7 oz / 75g
ELECTRICAL SPECIFICATIONS	
Power:	0.4W typical, Less than 1W maximum
Current:	5 ± 0.5V @ 58mA typical, 120mA maximum or 9 to 16V @ 8mA typical, 120mA maximum
Output:	TTL, RS-485, or RS-422 (Note: TTL is standard configuration. RS-485 and RS-422 are available upon request)
ENVIRONMENT	
Overpressure:	1.5x FS, maximum 1200psi
Humidity:	MIL-STD-810D, Method 507.2 Procedure III (Aggravated humidity environment, 65°C, 95%humidity)
Acceleration:	MIL-STD-810D, Method 513.3 (nonoperational 10g acceleration)
Mechanical Shock:	MIL-STD-810D, Method 516.3, Procedure I (operational 20g and non-operation crash safety 30g)
Vibration:	MIL-STD-810D, Method 514.3, Category 4, curves D, E, C, B, C', and B' (standard and robust random variation.)

Customer Support

Honeywell is dedicated to supporting our customers' needs with international representative support in over 180 countries. For existing customers and for new enquiries, customer service is available by visiting our web page, listed below, for current contact information.

Honeywell Aerospace

1944 E. Sky Harbor Circle
Phoenix, AZ 85034

aerospace.honeywell.com/airdatasolutions
www.honeywell.com

N61-1311-000-002
January 2015
© 2015 Honeywell International Inc.

ENHANCES SAFETY



Built-in-testing and high accuracy sensors maximize altitude and airspeed measurement safety.

INCREASES AVAILABILITY



High MTBF means less unplanned downtime and increased fleet readiness to support on-time operations.

REDUCES COSTS



Our Air Data products substantially cut direct maintenance costs over the life cycle of the aircraft through reduced spares inventory, infrequent periodic calibration and minimal required maintenance equipment.

Honeywell